

Welcome!!!

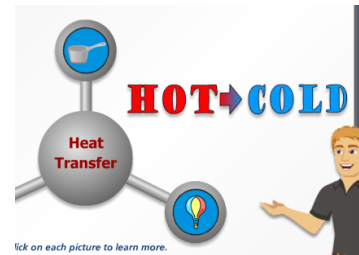
H. Leslie Grebe

- * Pick up:
- worksheet
 - slip for later

Test this Friday!!!

Opening activity:

Have a look at the cards at your table -- which are examples of good conductors, bad conductors, and convection?



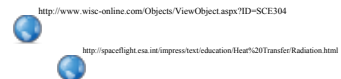
Centering

Sep 7-7:04 AM

ConDuction:

Transfer from particle to particle or through contact

Insulator = Bad Conductor



ConVection: "Heat rises"

Transfer by movement of heated substance (fluids)

Flow

Radiation: Heat transfer through light waves

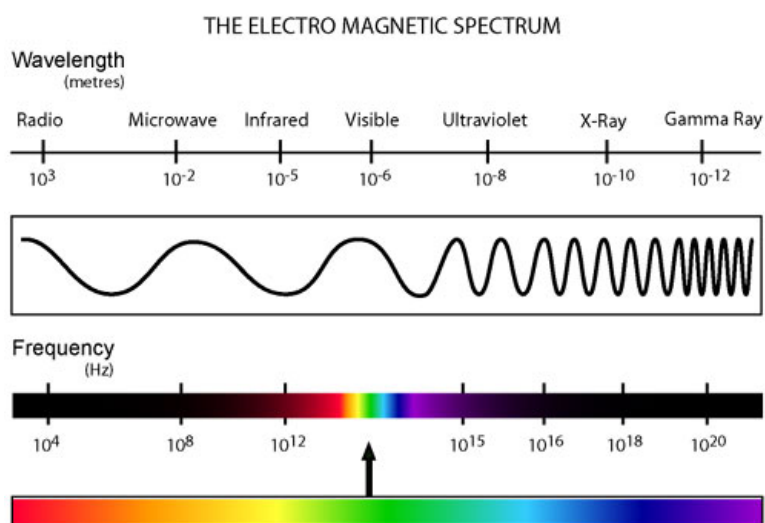
How does the sun warm the earth?

Not touching the earth, so not conduction
No fluids in space (no air!), so not convection
Radiation -- light waves can transfer heat even through empty space.



Jan 14-7:08 AM

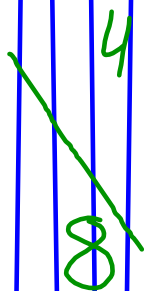
Kinds of light = radiation



Jan 18-7:09 AM

Catching rain in a bucket...

Easier to catch rain when the bucket is directly facing the clouds: more rain for the same sized opening!



Jan 14-7:25 AM

Worksheet & Experiment:

STRAIGHT

2

7°

ANGLE

2

4°

CHANGE

AT ANGLE DOESN'T RAISE TEMP AS MUCH

Demo of the seasons:

SUMMER

WINTER



Jan 14-7:30 AM

Daily 3 Questions

CP - No homework except

- * Every day except test/project days
- * 3 Questions on the topics of the day
- * Main source of daily points
- * I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

note sheet for Friday test

Your can't get your points if you don't have your NAME!!!

Name

Period

1.

2.

3.

Sep 9-7:32 AM

1. Which form of heat transfer is about light waves?

- A. ConDUction
- B. ConVEction
- ☒ C. Radiation

2. ☒ True or False: "Heat rises" applies to heat transfer by *conVEction*, but not by *conDUction*.

3. ~~OTHERS~~ ^{SUPPOSED TO SEE} When ~~we~~ shined the light at an angle, we saw that the temperature

- A. went up **more** than when shined directly
- B. went up **the same** as when shined directly
- ☒ C. went up **less** than when shined directly

Jan 3-7:48 AM